

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 1    | 10/532514   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>18:20 |
| S2    | 6    | 99/13734  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>18:50 |
| S3    | 5    | "9913734"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>18:50 |
| S4    | 25   | ("menthyl lactate" same<br>(melting or melt or<br>melted))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>19:38 |
| S5    | 670  | "menthyl lactate" and<br>(melting or melt or<br>melted)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>19:48 |
| S6    | 184  | "menthyl lactate" and<br>(melting or melt or<br>melted) and ((melt or<br>melting or melted) same<br>(cooling or coolant)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>19:58 |
| S7    | 40   | ("menthyl lactate" same<br>concentration)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2010/04/20<br>20:11 |

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| S8  | 38793 | liquefy   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:19 |
| S9  | 15175 | liquefy and (cooling or<br>coolant)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:20 |
| S10 | 193   | liquefy and (cooling or<br>coolant) and<br>carboxamide  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:20 |
| S11 | 240   | liquefy and (cooling or<br>coolant) and lactate and<br>ws   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:21 |
| S12 | 240   | liquefy and (cooling or<br>coolant) and lactate and<br>(ws3 or ws)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:22 |
| S13 | 1398  | "menthyl lactate"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:24 |
| S14 | 617   | "menthyl lactate" and<br>carboxamide  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:25 |
| S15 | 414   | "menthyl lactate" and<br>carboxamide and (melt<br>or melted or dissolved<br>or liquify or liquefy or<br>liquified or liquefied) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:35 |

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| S16 | 119 | "menthyl lactate" and carboxamide and (melt or melted or dissolved or liquify or liquify or liquified or liquified) and (cooling same (melt or melted or dissolved or liquify or liquify or liquified or liquified))   | US-PGPUB;<br>USPAT;<br>USOOR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:41 |
| S17 | 39  | "menthyl lactate" and carboxamide and (ws3 or "ws-3") and (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated) and (("menthyl lactate" or carboxamide or "ws3" or "ws-3") same (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated)) | US-PGPUB;<br>USPAT;<br>USOOR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:43 |
| S18 | 62  | "menthyl lactate" and carboxamide and (ws3 or "ws-3") and (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated) and (("cooling agent") same (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated))                                     | US-PGPUB;<br>USPAT;<br>USOOR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:55 |
| S19 | 88  | "menthyl lactate" and (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated) and (("cooling agent") same (melt or melted or dissolved or liquify or liquify or liquified or liquified or heat or heated))   | US-PGPUB;<br>USPAT;<br>USOOR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>14:56 |
| S20 | 9   | 00/42983   | US-PGPUB;<br>USPAT;<br>USOOR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:04 |

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| S21 | 1  | "200042983"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:04 |
| S22 | 5  | "2000042983"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:04 |
| S23 | 2  | "20020119110"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:05 |
| S24 | 3  | "menthyl lactate" and<br>(melt or melted or<br>dissolved or liquify or<br>liquefy or liquified or<br>liquefied or heat or<br>heated) and (("cooling<br>agent")) same ( liquify or<br>liquefy or liquified or<br>liquefied ))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:11 |
| S25 | 8  | "menthyl lactate" and<br>(melt or melted or<br>dissolved or liquify or<br>liquefy or liquified or<br>liquefied or heat or<br>heated) and (("menthyl<br>lactate")) same ( liquify or<br>liquefy or liquified or<br>liquefied )) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:11 |
| S26 | 22 | "menthyl lactate" and<br>(melt or melted or<br>dissolved or liquify or<br>liquefy or liquified or<br>liquefied or heat or<br>heated) and (("menthyl<br>lactate")) same ( melted<br>or melt ))                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:13 |
| S27 | 24 | "menthyl lactate" and<br>(melt or melted or<br>dissolved or liquify or<br>liquefy or liquified or<br>liquefied or heat or<br>heated) and (("menthyl<br>lactate")) same ( heat or<br>heated ))                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:22 |

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| S28 | 210 | "menthyl lactate" and (liquid or solution) and ("menthyl lactate" same (solution or liquid)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:24 |
| S29 | 11  | "menthyl lactate" and melt   | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | AND | ON | 2010/04/24<br>15:29 |
| S30 | 6   | "menthyl lactate" and melted   | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | AND | ON | 2010/04/24<br>15:30 |
| S31 | 0   | "menthyllactate" and melted  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | AND | ON | 2010/04/24<br>15:32 |
| S32 | 3   | "menthyllactate" and melted  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:32 |
| S33 | 10  | "menthyllactate"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:32 |
| S34 | 4   | frescolat\$ same melt  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:33 |
| S35 | 5   | frescolat\$ same melted  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:33 |
| S36 | 0   | frescolat\$ same liquified   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:33 |

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| S37 | 0    | frescolat\$ same liquefied                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:34 |
| S38 | 11   | frescolat\$ same heated                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:34 |
| S39 | 10   | frescolat\$ same dissolve                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:34 |
| S40 | 6    | frescolat\$ same dissolved                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:35 |
| S41 | 6277 | melting and "higher concentration" and dissolving    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>15:52 |
| S42 | 2781 | melting and "higher concentration" and dissolving    | USPAT   | AND | ON | 2010/04/24<br>15:52 |
| S43 | 115  | (melting same "higher concentration") and dissolving | USPAT   | AND | ON | 2010/04/24<br>16:00 |
| S44 | 22   | (melted same "higher concentration") and dissolving  | USPAT   | AND | ON | 2010/04/24<br>16:01 |
| S45 | 118  | (melt same "higher concentration") and dissolving    | USPAT   | AND | ON | 2010/04/24<br>16:01 |
| S46 | 324  | (melt same "higher concentration") and solvent       | USPAT   | AND | ON | 2010/04/24<br>16:02 |
| S47 | 51   | (melt same "increase concentration") and solvent     | USPAT   | AND | ON | 2010/04/24<br>16:04 |
| S48 | 40   | (melting same "increase concentration") and solvent  | USPAT   | AND | ON | 2010/04/24<br>16:04 |

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| S49 | 7  | (melted same "increase concentration") and solvent                          | USPAT   | AND | ON | 2010/04/24 16:05 |
| S50 | 40 | (melted same "higher concentration") and solvent                            | USPAT   | AND | ON | 2010/04/24 16:06 |
| S51 | 2  | "menthyl lactate" same liquefy  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:07 |
| S52 | 0  | "menthyl lactate" same liquify  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:07 |
| S53 | 8  | "menthyl lactate" same liquefied  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:07 |
| S54 | 24 | "1351761"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:12 |
| S55 | 2  | "19607278"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:18 |
| S56 | 7  | "lactic acid menthyl ester"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:19 |
| S57 | 0  | "lactic acid menthyl ester" same (melt or melted or liquified or liquefied) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24 16:19 |

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| S58 | 9   | "lactic acid" near<br>"menthyl ester"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>16:19 |
| S59 | 2   | "menthyl ester" near<br>(lactic or lactate)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>16:20 |
| S60 | 127 | "menthyl ester" same<br>(lactic or lactate)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>16:20 |
| S61 | 31  | "menthyl ester" same<br>(lactic or lactate) and<br>(melt or melted or<br>liquefied or liquefy) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>16:21 |
| S62 | 30  | "2608226"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>16:39 |
| S63 | 14  | eutectic "menthyl<br>lactate"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>17:48 |
| S64 | 272 | erman cooling  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>17:50 |
| S65 | 10  | erman cooling  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | AND | ON | 2010/04/24<br>17:50 |
| S66 | 4   | eutectic and "menthol<br>derivative"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:00 |



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| S67 | 3    | eutectic and ws3                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:00 |
| S68 | 10   | eutectic and ws-3                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:00 |
| S69 | 137  | eutectic and<br>carboxamide                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:01 |
| S70 | 30   | eutectic and<br>carboxamide and<br>menthol | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:01 |
| S71 | 75   | eutectic same menthol                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:02 |
| S72 | 19   | eutectic same<br>carboxamide               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:03 |
| S73 | 5947 | eutectic same cooling                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:03 |
| S74 | 27   | (eutectic same cooling)<br>and menthol     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:04 |

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| S75 | 9 | (eutectic same cooling)<br>and menthol<br>carboxamide | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:04 |
| S76 | 5 | "7414152"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:13 |
| S77 | 1 | 12/090801   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2010/04/24<br>18:16 |

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